

SHVARTS, Ye.; MEYSITE, A.; IYEVIN'SH, A. [Ievins, A.]

Complex formation in solutions of tartaric and boric acid
mixtures. Zhur. neorg. khim. 10 no.5:1183-1185 My '65.

(MIRA 18:6)

YEVGEN'YEV (Pashchenko), German Evreyn'yevich; MYSLITSEV, G.M., redaktor;
TSVETKOV, N.V., redaktor izdatel'stva; VOLCHOV, K.M., tekhnicheskii
redaktor

[Along the waterways of the Northwest; a guidebook] Po vodnym putiam
Severo-Zapada; putevoditel'. [Leningrad] Izd-vo "Rechnoi transport",
"Leningradskoe otd-nie, 1956. 268 p. (MIRA 9:9)
(Russia, Northwest--Description and travel)

HEYSENER, A. F.

Feeding and Feeding Stuffs

Significance of frozen green stuff for feeding. A.F. Heysemer., *Ann. Crza*, 2, No. 17, 1951

Monthly List of Russian Accessions, Library of Congress, April 1952. UNCLASSIFIED

MEYSNER, A. F.

MEYSNER, A. F. - "The biological properties of the Jerusalem artichoke, and its cultivation under the conditions prevailing in western Siberia". Moscow, 1955. All-Union Sci Res Inst of Fodder imeni V. R. Vil'yams. (Dissertation for the Degree of Candidate of Agricultural Sciences).

So: Knizhnaya Letopis' No. 46, 12 November 1955. Moscow

MEYSNER, V. A., Engineer

Cand. Tech. Sci.

Dissertation: "Investigation of Stresses in the sheet frame of a locomotive by the method of photoelasticity." 28 Jun 49

Moscow Order of the Labor Red Banner Electromechanical Inst. of Railroad Engineers imeni

F. B. Dzerzhinskiy

SO Vechernyaya Moskva
Sum 71

USSR/Engineering - Stress Analysis, Sep 50
Models

"Gluing Models Made of Optically Active IM-44 Material," V. A. Meyner, Moscow Electromech Inst of RR Transport Engineering

"Zavod Lab" Vol XVI, No 9, 1144-1145

Material of IM-44 type is manufactured in form of 180 x 270 mm plates. Dimensions for studying stresses by polarization-optical method. Since there are no data on type of glue and gluing methods for models made of IM-44

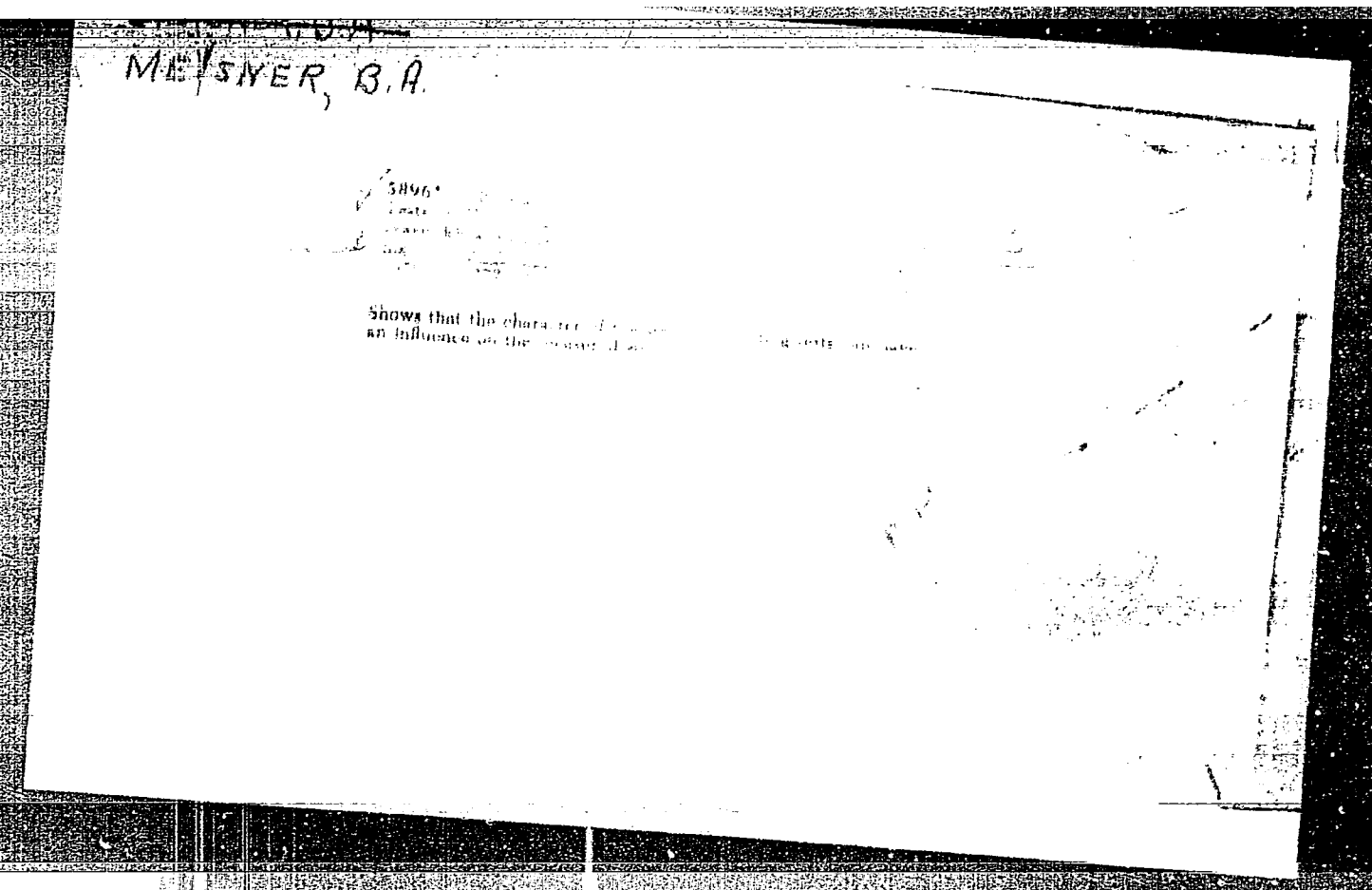
169T34

USSR/Engineering - Stress Analysis, Sep 50
(Contd)

Plastic, Meyner describes those he developed. Suggests carbinol glue without filler as best gluing substance. Benzoyl peroxide was catalyst.

169T34

MEYNER, V. A.



MEYSEER, B.A.

Investigating stress concentration in "admiralty" test pieces.
Zav.lab.22 no.7:853-855 '56. (MLRA 9:12)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut zhelezнодорожного транспорта.
(Strains and stresses) (Steel--Testing)

ZOL'NIKOV, S.S., kandidat tekhnicheskikh nauk; ~~MEYSHEN, K.A.~~ kandidat tekhnicheskikh nauk; POPOV, A.V., kandidat tekhnicheskikh nauk. TSKIPURISHVILI, V.B., kandidat tekhnicheskikh nauk.

Principal results of tests of the strength of the VL23 electric locomotive. Vest.TSNII MPS no.2:18-20 Mr '57. (MIRA 10:4)
(Electric locomotives)

MEYSNER, B.A., kand. tekhn. nauk; POPOV, A.V., kand. tekhn. nauk.

Experience in calibrating instruments with wire transducers during locomotive testing. Vest. TSNII MPS 17 no.4:50-53 Je '58.

(Locomotive—Testing) (Transducers) (MIRA 11:6)

MEYSNER, B.A., kand.tekhn.nauk; POPOV, A.V., kand.tekhn.nauk; TSKIPURISHVILI,
V.B., kand.tekhn.nauk

Dynamic and strength characteristics of six-axle electric
locomotive trucks. Vest.TSNII MPS 18 no.2:26-31 Apr '59.
(MIRA 12:6)

(Electric locomotives)

MEYSNER, B.A., kand.tekhn.nauk; KUDRYAVTSEV, N.N., kand.tekhn.nauk

Using POB-14 oscillographs in car laboratories. Vest.

TSNII MPS 19 no.5:56-58 '60. (MIRA 13:8)

(Railroads--Rolling stock--Testing)

(Oscillographs)

MEYSNER, B.A., kand.tekhn.nauk; STETSENKO, Ye.G., kand.tekhn.nauk

State of stress of the crankshaft of a 2D100 diesel locomotive
in connection with the gradation of the crankshaft journals.
Vest. TSNII MPS 21 no.1:22-25 '62. (MIRA 15:2)
(Diesel locomotives--Testing)

MEYSNER, B.A., kand.tekhn.nauk; ZOL'NIKOV, S.S., kand.tekhn.nauk

Evaluation of the strength of the parts of locomotive underframes.
Vest.TSNII MPS 23 no.2:27-30 '64. (MIRA 17:3)

USSR/General Division - General Problems. Philosophy.
Methodology.

A-1

Abs Jour : Ref Zhur - Biologiya, No 7, 10 April 1957, 25644

Author : Meysner, D.

Inst :

Title : The Exchange of Agricultural Delegations Between the
USSR and the US, England, and Other Countries.

Orig Pub : Za sots. s.-kh. nauku, 1956, 5, No 1, 33-57, 58-72

Abst : No abstract.

Card 1/1

L 14132-66 EWT(1)/EWT(m)/T/EWP(t)/EWP(b) IJP(c) JD

ACC NR: AP6000876

SOURCE CODE: UR/0181/65/007/012/3657/3660

AUTHORS: Meysner, L. B.; Sonin, A. S.

ORG: none

TITLE: ^{21, 44, 55}Optic anisotropy of tetragonal single crystals of barium and lead titanates

SOURCE: Fizika tverdogo tela, v. 7, no. 12, 1965, 3657-3660

TOPIC TAGS: lead compound, titanate, barium titanate, crystal anisotropy, single crystal, double refraction, ferroelectric crystal, electrooptic effect

ABSTRACT: In view of the fact that earlier investigations have shown that the birefringence of BaTiO_3 and PbTiO_3 has theoretically a sign opposite that observed experimentally, and in view of the unsatisfactory explanation of this difference by W. Kinase et al. (Phys. Rev. v. 116, 348, 1959), the authors have recalculated the birefringence of BaTiO_3 and PbTiO_3 due to only the anisotropy of the internal

Card 1/2

L 14132-66

ACC NR: AP6000876

fields, with exact account of the tetragonal nature of the unit cells. The calculations were performed with an electronic computer, with account of the tetragonality and displacement of the ions. The results yielded values of $n_o - n_a = -0.018$ for $BaTiO_2$ and $n_o - n_a = -0.126$, so that these single crystals are found to be optically negative, as confirmed by experiment, in contrast with the earlier calculations. However, the obtained values themselves differ considerably from the experimental values, the discrepancy being attributed to an incorrect choice of the polarizabilities. At any rate, it is concluded that the spontaneous electro-optical effects of ferroelectric single crystals, which is manifest in a change of the birefringence as a result of spontaneous polarization, is an inherent property of the structures of these crystals, and should not lead to a change in the sign of the birefringence. Authors thank V. Ya. Yershov for help in the calculations. Orig. art. has: 3 formulas and 2 tables.

SUB CODE: 20/ SUBM DATE: 01Jul65/ ORIG REF: 001/ OTH REF: 008

Card

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2/2

MEYSNER, Ye. V.

"Peculiarities of the Zoobenthos in a Water Reservoir With a Variable Level,"
Sub. 11 Apr 47, Moscow Technical Inst of the Fish Industry and Economy imeni A. I.
Mikoyan.

Dissertations presented for degrees in science and engineering in Moscow in 1947.

SO: Sum.No.457, 18 Apr 55

1. MIKHEYEV, P.V.; MEYSNER, Ye.V.

2. USSR (600)

4. Fishes - Volga-Don Canal

7. Development of the fish population in reservoirs of the Lenin Volga-Don Canal during the first year of their existence, P.V. Mikheyev, Ye.V. Meysner, Ryb. khoz. 29 no. 3, 1953.

9. Monthly List of Russian Accessions, Library of Congress, APRIL 1953, Uncl.

POLYAKOV, Yu.D.; MIKHAYEV, P.V.; MEYSNER, Ye.V.

Great pisciculturist; in memory of B.M. Sebentsov. Vop. ikht. no. 6:
174-178 '56. (MLRA 9:8)

(Sebentsov, B.M., 1891-1955)

U.S.S.R. General Secretary - General Secretary

Abstr. Jour. : 1977, 10, 1, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842,

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1980年12月：1980年12月15日，16日，17日，18日，19日，20日，21日，22日，23日，24日，25日，26日，27日，28日，29日，30日，31日。

Abstract : The climatic need of water changes in reservoirs is not limited to the influence on the feeding and respiration of fish during the winter because of changes in oxygen content. In carrying data for a number of years with various changes in the Yakhom reservoir it was established that the need of water changes in the fall-winter, as well as in the summer-fall seasons, may radically affect the internal activity of the reservoir. The necessity of maintaining water changes in art. cold reservoirs is proved.

C. A. 1972

AKHMEROV, A.Kh., kand.biol.nauk; BATENKO, A.I., kand.sel'skokhoz.nauk;
BRUDASTOVA, M.A., kand.tekhn.nauk; GOLOVINSKAYA, K.A., kand.biolog.
nauk; GORDON, L.M., kand.ekon.nauk; DOROKHOV, S.M., rybovod-biolog;
YEROKHINA, L.V., rybovod-biolog; IL'IN, V.M., rybovod-biolog;
ISAYEV, A.I., rybovod-biolog; KADZEVICH, G.V., rybovod-biolog;
KOMAROVA, I.V., kand.biol.nauk; KRYMOVA, R.V., rybovod-biolog;
KULAKOVA, A.M., rybovod-biolog; MAMONTOVA, L.M., kand.biol.nauk;
MEYSNER, Ye.V., kand.biol.nauk; MIKHEYEV, P.V., kand.biol.nauk;
MUKHINA, R.I., kand.biol.nauk; PAKHOMOV, S.P., kand.biol.nauk;
SUKHOVERKHOV, F.M., kand.biol.nauk; SOKOLOVA, Z.P., rybovod-bio-
log; TSIUNCHIK, R.I., rybovod-biolog; RYZHENKO, M.I., red.; KOSOVA,
O.N., red.; SOKOLOVA, L.A., tekhn.red.

[Handbook on pond fish culture] Spravochnik po prudovomu rybovodstvu.
Red.kolleghia: A.I.Isaev i dr. Moskva, Pishchepromizdat, 1959. 374 p.
(MIRA 13:4)

1. Moscow. Vserossiyskiy nauchno-issledovatel'skiy institut prudo-
vogo rybnoy khozyaystva.
(Fish culture)

MIKHEYEV, P.V.; MEYSNER, Ye.V.; MIKHEYEV, V.P.

Attraction by light of organisms on which fishes feed. Vop.
ikht. 2 no.4:731-739 '62. (MIRA 16:2)

1. Vserossiyskiy nauchno-issledovatel'skiy institut prudovogo
rybnogo khozyaystva (VNIPRAh), Moskva.
(Fishes—Food) (Light—Physiological effect)

SVIRIDENKO, S.Kh.; AKHMECHET, L.S.; VOLKOV, A.A.; MEYSTEL', A.M.;
MIZHEVSKIY, L.L.; POLYAKOV, L.M.; RASHKOVICH, M.F.;
SRIENNER, L.A.; KHVALOV, Yu.G.; SHPIGLER, L.A.; SHRAGO,
L.K.; ORLIKOV, M.L., inzh., retsenzent; SVECHNIKOV, L.V.,
inzh., retsenzent; MATSIYEVSKIY, A.G., inzh., red.

[Elements of the automation of machine tools] Elementy
avtomatizatsii metallorezhushchikh stankov. Moskva, Mash-
giz, 1964. 210 p. (MLA 17:12)

MEYSTER, A.M. (Odessa); RAHKOVICH, M.M. (Odessa)

Balanced dynamic braking of asynchronous short-circuited motors in machine tool drives. Elektrichestvo no.7:43-48 J1 '64. (MIRA 17:11)

VOLODTSSENKO, I.V., inzh.; VETSHIN, A.M., inzh.; PASHKOVICH, M.P., inzh.

Braking of asynchronous short-circuited motors. From: energ. 19
no.8:14-18 Ag '66. (MIRA 17:11,

MEYSTER, A.M.; PARAIL, V.A.; PIRICH, R.G.; PASHKOVICH, M.I.

Precise stopping of machine-tool drives with asynchronous motors .
Stan. i instr. 35 no. 4:10-13 Ap '64. (MIRA 10:5)

MEYSTER, A.M., inzh.; RASHKOVICH, M.S., inzh.; SHEKOVET, P.I., inzh.

Causes of the vibration of asynchronous motors with simultaneous
d.c. and a.c. feed. Elektr. tekhnika 35 no. 11:30-36, 1964.

UMIA 1964

VOLOTSENKO, P.V.; MEYSTEI', A.M.; RASHKOVICH, M.P.

Braking of asynchronous motors in machine tools jointly by direct
and alternating currents. Stan.1 instr. 35 no.9:13-16 S '64.
(MIRA 17:10)

LETR., ... tekhn. nauk, prof. (Moskva); MEYSTELE, A.M., kand.
... (Moskva)

Use of exponential chain functions in calculating the heating of
squirrel-cage induction motors. Elektrichestvo no.8:7-13 Ag '65.
(MIRA 18)

PETROW, I.I., doktor tekhn. nauk, prof. (Moskva); KEYSTEL, A.M.,
kand. tekhn. nauk (Moskva)

Calculation of special operating modes of induction motors
with squirrel cage rotors. Elektrichestvo no.11:10-17 II '65.
(MIRA 18:11)

MEYSEL', A.M.; NAYDIS, V.A.

Selecting a dynamic braking system of short-circuited asynchronous
motors for machine tools. Stan. i instr. 36 no.9:5-9 S '65.
(MIRA 18:10)

GAMMERMAN, M.Ya.; MEYSTER, A.A.

Electromagnetic (induction) flowmeters for electrically conductive liquids. Prib. i sred. kompl. avtomatiz. no.2:27-39 '63.

(MIRA 17:12)

MEYSTER, L.A.

USSR/ Geology - Terminology

Card 1/1 Pub. 45 - 8/15

Authors : Meyster, L. A.; and Shvetsov, P. F.

Title : About some terms in the study of the zones of solidified soils and rocks and its place among other sciences

Periodical : Izv. AN SSSR. Ser. geog. 1. 69 - 73. Jan-Feb 1955

Abstract : Various geological terms are discussed as to derivation and present usage. Diagram.

Institution : Acad. of Sc., USSR, Institute of the Science of Soil Solidification

Submitted :

MEYSTER, L.A.

Deficiencies in the classification of underground waters in perma-
frost areas. Mat.kosn.uch.o merz.zon.zem.kory no.2:59-64 '55.
(MIRA 13:9)

(Water, Underground)

(Frozen ground)

MEYSTER, L.A.

Interrelation of theory and practice in the development of cryo-
pedology. Mat.k osn.uch.o ners.son.sem.kory no.3:5-17 '56.
(MIRA 13:9)

(Frozen ground)

SHVETSOV, P.F.; MEYSTER, L.A.

Water infiltration for thawing alluvial deposits as one of the
methods used in hydrothermal improvement of frozen ground. Izv.
AN SSSR. Ser. geog. no. 6: 79-84 N-D '56. (MIRA 10:1)

1. Institut merslotovedeniya imeni V.A. Obrucheva.
(Frozen ground)

MEYSTER, L.A.

Outline history of permafrost research in the Permafrost Institute.
Izv. AN SSSR. Ser. geog. no. 5:124-128 S-O '57. (MIRA 11:2)
(Frozen ground)

3(3)

PHASE I BOOK EXPLOITATION

SOV/2074

Meyster, L.A., and N.I. Saltykov

K istorii geokriologicheskikh issledovaniy v SSSR (On the History of Cryopedological Research in the USSR) Syktyvkar, Koml knizhnoye izd-vo, 1958. 82 p. Errata slip inserted. 1,500 copies printed.

Sponsoring Agency: Akademiya nauk SSSR. Institut merzlotovedeniya ime-
ni "A. Obrucheva.

Resp. Ed.: S.P. Kachurin, Candidate of Geographical Sciences;
Resp. Ed. for this book: L.A. Brattsev; Tech. Ed.: I. Oplesnin.

PURPOSE: This book is intended for engineers and other specialists concerned with construction work and the exploitation of mineral and other resources in permafrost regions.

COVERAGE: This is a review of the development of cryogenic studies of permafrost phenomena and conditions in Russia during the Soviet period. Systematic studies began with the appearance of M.I. Sumgin's work, Vechnaya merzlota pochvy v predelakh SSSR, in 1927.

Card 1/3

On the History of Cryopedological Research (Cont.)

SOV/2074

Since then, extensive research on construction conditions, underground water, artificial defrosting, physicomachanical properties of frozen rock, the physical, physicomachanical, and physicochemical (particularly thermophysical) processes in soils and subsoils related to seasonal freezing, highway, railroad, airport and dam construction, mining, and pipe laying in the polar and subpolar areas, etc. has been conducted by numerous institutions and organizations. The following are the more important: Institut merzlotovedeniya; Section of Permafrost Studies; Department of Geology, Moscow State University imeni M.V. Lomonosov (established 1953); Department of Road Research, TsUMT (Central Administration of Local Transportation), Leningrad; GIPROMEZ (State Institute for the Design and Planning of Metallurgical Plants), Leningrad; Institute of Railroad Transportation Engineers, Moscow; Agricultural Academy imeni K.A. Timiryazev, Moscow; Amuro-Yakutskaya Highways Administration; Glavsevmorput'; the North-eastern Division of the Institute of Permafrost Research (formerly the Yakutsk Scientific Research Permafrost Station); Scientific Research Institute at Magadan (geocryological research); Chita Permafrost Station (1941-43); Aldan Permafrost Scientific Research Station of the Institute of Permafrost Research at Chul'man, Yakutskaya ASSR; LIIKS (Leningrad Institute of Municipal

Card 2/3

On the History of Cryopedological Research (Cont.)

SOV/2074

Construction Engineers. Research was aided by permafrost stations at Skovorodino, Petrovsk-Zabaykal'sk, Anadyr', Igarka, Yakutsk, Vorkuta, Noril'sk, and Bratsk. Some of the more important scientists in this field are: M.I. Sumgin, V.I. Vernadskiy, P.I. Koslovskov, N.A. Tsitovich, S.P. Kachurin, N.I. Tolstikhin, V.F. Tumel', L.A. Bratsev, L.A. Yachevskiy, V.B. Shostakovskiy, M.N. Gold'shteyn, Ananyan, Razumov, Tyutyunov, Bakulin, and Pchelintsev. Their theories and contributions and those of many others are discussed by the author. Outstanding works in this field are: Osnovaniya mekhaniki merzlykh gruntov, by N.A. Tsitovich and M.I. Sumgin; Obshcheye merzlotovedeniye, by M.I. Sumgin et al.; Ornovy geokriologii, published by the Institute for Permafrost Research. A geocryological map of the USSR, scale 1: 5,000,000, which reflects the effect of physico-geographic zonality and azonality of geological and hydrological conditions on the formation and distribution of frozen layers and the distribution of seasonally freezing soil and rocks is now being compiled; a similar map, scale 1:10,000,000 has already been published. There are 258 Soviet references.

TABLE OF CONTENTS: None given

AVAILABLE: Library of Congress

Card 3/3

MM/ad
7-21-59

TSYTOVICH, Nikolay Aleksandrovich; KACHURIN, Sergey Petrovich; MEISTER,
Leonid Antonovich; SMIRNOVA, N.P., red.; RAKTIN, I.T., tekhn. red.

[Frozen rocks; their role in nature and human life] *Merzlye gornye*
porody; ikh rol' v prirode i zhizni cheloveka. Moskva, Izd-vo
"Znanie," 1961. 31 p. (Vsesoiuznoe obshchestvo po rasprostrane-
niyu politicheskikh i nauchnykh znaniy. Ser. 12, Geologiya i geografiya,
no.14) (MIRA 14:8)

(Frozen ground)

BARK, L.S.; GANSON, P.P.; MEYSTER, N.A.; DOBROVOL'SKIY, A.D., prof.,
otv.red.; KORKINA, A.I., tekhn.red.

[Tables of the speed of sound in sea water] Tablitsy skorosti
zvuka v morskoi vode. Moskva, Vychislitel'nyi tsentr AN SSSR,
1961. 180 p. (MIRA 14:6)
(Sound--Speed)

CA

3

The distribution of ionic velocities in a hollow-cathode
discharge. I. G. Melster (A. A. Zhdanov State Univ.
Leningrad). *Vychnyye Zapiski, Leningrad. Gosudarst. Univ.*
in A. A. Zhdanova, No. 120, Ser. Fiz. Nauk No. 7, 86-92
1969. The ions were mono-energetic; the Δv velocity
was 1100 cm/s at a discharge current of 70 ma. and 690 cm/s at
50 ma.
Cyrus Feldman

MEYSTER, T. G.

USSR/Physics - Spectral Transition

Sep 52

"Absolute Values of Probabilities of Transitions of Terms of Main Cesium Series," G. S. Kvater and T. G. Meyster

Vest Leningrad U, Ser Mat, Fiz i Khim, No 9, pp 137-158

Describe an investigation of resonance doublet; eq of temp dependence of optical density; detn of abs values of f for resonance doublet; eq of abs tension of Cs; investigation of 2-12th doublets; comparison with results of other authors with respect

252T106

to eqs of Cs vapor tension and abs and relative values of transition probabilities Earliest cited work of G. S. Kvater is in Izvestiya Ak Nauk SSSR, Vol 49, 301 (1938)

PA 252T106

252T106

MEYSTER, T. G.

4

Measurement of the concentration of highly diluted solutions of colored substances by means of a differential absorption meter. T. G. Meyster (A. A. Zhigalov State Univ., Leningrad). *Izvest. Akad. Nauk S.S.S.R., Ser. Fiz.* 17, 733-5 (1934).—A differential absorption meter is described which has 2 vacuum cells, 1 stage of amplification $\sim 10^4$, and a galvanometer with a sensitivity of 8×10^{-7} amp./division. The absorption meter is useful in the analysis of dil. solns. contg. small concns. ($D = \sim 5 \times 10^{-2}$ to 5×10^{-3}) of salts such as $K_2Cr_2O_7$ or $(NH_4)_2MoO_4$ in acid medium. S. Pakswar

LL

Physics Inst.

MEYSTER, T. G.

✓ Investigation of contours of electronic absorption bands of liquid benzene and its solutions. V. M. Chulapovskii.

T. G. Meyer and E. N. Strushenskaya. *Vestnik Leningrad. Univ.* 10, No. 2, Ser. Mat., Fiz. i Khim. No. 1, 143-7 (1955).

EL
The absorption bands of pure benzene in hexane and H₂O soln. are complicated and asymmetrical in the interval of 2200-2700 Å. The absorption bands in the hexane soln. are narrow and displaced in the short-wave region. In the aq. soln. the contours of bands sharply change and be-

come symmetrical and are much more displaced in the short-wave region. The character of distribution of the intensity in bands and its half-width of C₆H₆ mol. depends on the nature and the extent of action of the surrounding mol.

M. Charmandarian

(2)

gar

MEYSTER, T. G.

USSR/ Physics - Chemical physics

Card 1/1 Pub. 127 - 9/13

Authors : Chulanovskiy, V. M.; Meyster, T. G.; and Struzhenskaya, Ye. N.

Title : Study of the contour of electron absorption bands for liquid benzene and its solutions

Periodical : Vest. Len. un. Ser. nat. fiz. khim. 10/2, 143-147, Feb 1955

Abstract : The study of electron absorption spectra of benzene and its derivatives was carried out for the purpose of determining the intermolecular reactions occurring during electron excitation of the molecules. The effect of the solvents on the absorption band intensity is explained. Data are presented regarding the interaction between benzene molecules and the molecules of the solvent (water and hexane). Twelve references: 1 USSR and 11 USA (1934-1953). Graphs.

Institution :

Submitted : March 20, 1954

MEYSTER, T. G.

Electronic absorption spectra of benzene and its solutions in ethanol and hexane. V. M. Chulanovskii, T. G. Meyster, and O. V. Sverdlova. *Vestnik Leningrad. Univ.* 10, No. 8, Ser. Mat. Fiz. i Khim. No. 3, 123-7 (1956); cf. *C.A.* 49, 13776i. The position and half-width of 2 benzene absorption bands ($\nu_1 = 30,226$ and $\nu_2 = 30,295$ cm.⁻¹) were studied as a function of the concn. of benzene in two different types of solvent, EtOH and hexane. The concns. varied from 0.0013% to 100%. Both bands, in both solvents, show a gradual pos. peak-frequency shift up to a displacement of about 120 cm.⁻¹ for concns. decreasing from 100% to about 5%. After this the position of both bands remains const. The half-width of ν_1 decreases by about 100 cm.⁻¹, and that of ν_2 decreases by about 80 cm.⁻¹, for both solvents, with the same concn. dependence as for the frequencies. These phenomena are explained on the basis of the vibrational structure of the electronic bands, by suggesting that the contour of the bands, in the main, is detd.

by the strong vibrational "breathing" frequencies of benzene. A variation in concn. effects a redistribution of vibrational transition probabilities, and thus a change in the band contours. Since the changes were approx. the same in both solvents, it is postulated that the greatest interactions giving rise to band contour changes take place between the excited and unexcited benzene mols., rather than between solvent mols. and benzene. This also explains the constancy of frequency and band width at the lower concns. For instance, the av. sepn. of benzene molecules at a 1% concn. is about 25 Å.

R. D. Kross

MEYSTER, T.G.

PAGE 1 BOOK INFORMATION EN/513

Leningrad, Universitets

Molekulyarnaya spektroskopiya (Molecular Spectroscopy) [Leningrad] Izdatvo
Leningr. univ., 1960, 198 p., 4,700 copies printed.

Bog. M.; P. I. Shripov; Eds.: N. V. Shchennikova and V. D. Plakso; 2nd. Ed.; B. G. Volskaya.

PURPOSE: This collection of articles is intended for scientific workers, lecturers and students of physics and chemistry. It may also be used by engineers and technicians employing molecular spectroscopy.

CONTENTS: The collection of articles describes spectroscopic studies of liquids and solutions, and includes data on applied molecular spectroscopy. Individual articles deal with the molecular interaction in solutions, and specifically with the hydrogen bond problem. Works on the optimum utilization of spectral apparatus and on the analytical application of molecular spectroscopy are also included.

Aspects of the structure of high and low molecular compounds and of molecular complexes are also covered. The collection was published in honor of the 70th birthday of Professor Vladimir Mikheylovich Chelakovskiy, Soviet specialist in molecular spectroscopy and spectral analysis. There are no references.

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Kozlov, Z. A. Oleichik (deceased), Z. Kurovskiy, and B. Kise [Kiseva]. Application of Raman Spectra to the Study of Intermolecular Interaction in Electrolyte Solutions	52
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MEYSTER, T.G.; NIKOLAYEVA, L.Ya.

Electronic absorption spectra of nitrosamine solutions in acids.

Opt. i spektr. 12 no.1:142-143 Ja '62.

(MIRA 15:2)

(Amines-Spectra)

PA 65T4i

MEYSTER, V. A.

Mar/Apr 1948

USSR/Engineering
Pressure, Earth
Structural Analysis

"Concerning Engineer N. V. Bulgakov's 'New Method of
Determining the Pressure of Soil on a Bulkhead',"
V. A. Meyster, Engr, 22 pp

"Vest Inzher 1 Tekhn" No 2

Meyster states that so-called "new method" is not new
at all. Gives various references to show that method
has been known for some time.

65T41

MEYSTER, V. A., Engineer

"Pressure of Cohesive Soil on Relieving Walls." Sub 16 Jun 51, All-Union Sci Res Inst of Water Supply Sewerage, Hydraulic Structures and Engineering Hydrogeology (VODGEC)

Dissertations presented for science and engineering degrees in Moscow during 1951.

SC: Sum. No. 420, 9 May 55

SIDOROV, A.A., kandidat tekhnicheskikh nauk, redaktor; BLIZNYAK, Ye.V. doktor tekhnicheskikh nauk, professor; OLESHEVICH, L.V., kandidat tekhnicheskikh nauk, dotsent; AKHUTIN, A.N., doktor tekhnicheskikh nauk, professor; BEREZINSKIY, A.R., doktor tekhnicheskikh nauk, professor; GRISHIN, M.M., doktor tekhnicheskikh nauk, professor; DZHUNKOVSKIY, N.N., doktor tekhnicheskikh nauk, professor; ZHEMOCHKIN, B.N., laureat Stalinskoy premii, doktor tekhnicheskikh nauk, professor; MIKAYLOV, K.A., doktor tekhnicheskikh nauk, professor; NICHIPEROVICH, A.A., doktor tekhnicheskikh nauk, professor; MESTERUK, F.Ya., doktor tekhnicheskikh nauk; MEDRIGA, V.P., kandidat tekhnicheskikh nauk; SAFONOV, P.V., inzhener; LATYSHENKOV, A.M., kandidat tekhnicheskikh nauk, dotsent, redaktor; MUROMOV, V.S., kandidat tekhnicheskikh nauk, dotsent, redaktor; BARSOV, M.V., inzhener, redaktor; MEYSTER, V.A., kandidat tekhnicheskikh nauk, redaktor; LIPKIND, M.V., kandidat tekhnicheskikh nauk, redaktor; LYAPICHEV, P.A., kandidat tekhnicheskikh nauk, redaktor; KARPOV, I.M., kandidat tekhnicheskikh nauk, dotsent, redaktor; REPKIN, V.P., inzhener, redaktor; MEDVEDEV, L.Ya., tekhnicheskij redaktor.

[Hydraulic engineering handbook] Spravochnik po gidrotekhnike, Moskva, Gos.izd-vo lit-ry, po stroit. i arkhitekt. 1955. 828 p. (MLRA 8:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut vodosnabzheniya, kanalisatsii, gidrotekhnicheskikh sooruzheniy i inzhenernoy gidrogeologii. 2. Zasluzhennyy deyatel' nauki i (Continued on next card)

SIDOROV, A.A., kandidat tekhnicheskikh nauk, redaktor, and others... (Card 2)

[Hydraulic engineering handbook] Spravochnik to gidrotekhnike,
Moskva, Gos.izd-vo lit-ry, po stroit i arkhitekt. 1955. 828 p.
(Card 2) (MIRA 8:10)

2. Zasluzhenyy deyatel' nauki i tekhniki RSFSR (for Bliznyak)
3. Deystvitel'nyy chlen Akademii nauk AzSSR (for Mikaylov)
(Hydraulic engineering)

176512, V H.

TEMKIN, L.Ye., inzh., red.; ~~XXXXXXXXXX~~, kand.tekhn.nauk, red.;
MUNITS, A.P., red.izd-va; GUSEVA, S.S., tekhn.red.

[Instructions for investigation of building properties of
soils by field laboratories of the I.M.Litvinov system]
Instruktsia po issledovaniu stroitel'nykh svoistv gruntov
polevoi laboratoriei sistemy I.M.Litvinova. (I 203-56/MSPMKhP).
Moskva, Gos.izd-vo lit-ry po stroit.i arkhitekt., 1956. 53 p.

(MIRA 11:1)

1. Russia (1923- U.S.S.R.) Ministerstvo stroitel'stva pred-
priyatiy metallurgicheskoy i khimicheskoy promyshlennosti.
Tekhnicheskoye upravleniye.

(Soil mechanics)

NICHIPOROVICH, A.A., prof., red.; MEYSTER, V.A., red.; YEMZHIN,
V.V., tekhn. red.

[Ways of reducing the construction costs of dams] Puti sni-
zhenia stoimosti plotin; sbornik statei. Pod obshchei red.
A.A.Nichiporovicha. Moskva, Gosenergoizdat, 1962. 110 p.
(MIRA 15:10)

1. Moscow. Vsesoyuznyy nauchno-issledovatel'skiy institut
vodosnabzheniya, kanalizatsii, gidrotekhnicheskikh sooru-
zheniy i inzhenernoy gidrogeologii.

(Dams—Cost of construction)

MEYSTER, V.A., kand.tekhn.nauk; ZHUREK, Ya., inzh.

Fixing the height of the dumping of rock for the arrangement
of rock fill. Trudy Lab.gidr.sooruzh. VOEGEO no. 4:55-58 '63.
(MIRA 17:6)

BEKIRBAYEV, D.B.; GRODEL', G.S.; GUL'SHIN, P.A.; KLEPIKOVA, M.S.; PETRUKHIN, P.M.; POLYANSKIY, I.P.; RASSOLOV, N.I.; TARASOVA, A.A.; FERTEL'-MEISTER, Ya.N.; CHERVINSKIY, M.S.; SHANOVSKAYA, S.S.; KLIMANOV, A.D.,
otv.red.; ZHUKOV, V.V., red.izd-va; PROZOROVSKAYA, V.L., tekhn.red.;
KOMDRAT'YEVA, M.A., tekhn.red.

[Coal and rock dust control in mines] Bor'ba s ugol'noi i porodnoi
pyl'iu v shakhtakh. Moskva, Gos.nauchno-tekhn.izd-vo lit-ry po
gornomu delu, 1959. 499 p. (MIRA 13:6)
(Mine dusts) (Coal mines and mining--Safety measures)

MEYTERT
Rumania / Microbiology - Microbes Pathogenic to Humans F-4
and Animals

Abs Jour: Referat. Zh. Biol., No. 1, 1958, 709

Author : Balsh, Meytert, Zilishtyanu

Title : Experimental and Practical Study of the Comparative Value of Different Enriched Media for Isolating Salmonella from Coprocultures

Orig Pub: Rev. microbiol., parazitol. si epidemiol., 1956, 1, No. 3, 27-31

Abstract: Results are given of parallel plantings on enriched media of Mueller-Kaufman, D29, Birbauer and selenite medium F with incubations of 4-6-12-18-24 hours by comparison with a direct planting on selective media. Enrichment methods yielded poorer results than direct inoculation.

Card 1/2

MEYTERT

RUMANIA/ Microbiology. Antibiosis and Symbiosis. F-2
Antibiotics

Abs Jour: Ref Zhur - Biol., No 6, 1958, 24160

Author : Balsh, M. ytert, Zilishtyanu

Inst : Not given

Title : A Study of Bacteriostatic and Bactericidal Activity
of Antibiotics (Aureomycin, Chloromycetrin, Strep-
tomycin, Nitrofurantoin) and Their Mixtures on Some Strains
of Intestinal Bacilli.

Orig Pub: Microbiol., parazitol. si epidemiol., 1957, 2, No 2,
142-150

Abstract: No abstract.

Card 1/1

FILIPPOVICH, A.N.; KLYUCHAREV, A.A.; TSVIRKO, M.N.; MEYTES, L.G.

Clinical toxicoinfection of *Salmonella* etiology. Zdrav.Belor.
5 no.8:42-44 Ag '59. (MIRA 12:10)

1. Iz kliniki infeksionnykh bolezney (zaveduyushchiy - prof.
A.N.Filippovich) Minskogo meditsinskogo instituta.
(*SALMONELLA* TYPHIMURIUM) (FOOD POISONING)

1. MEY TIN, A.
2. USSR (600)
4. Telegraph
7. Moving-picture shorts for communication workers, Sov. sviaz., No. 10, 1951.
9. Monthly List of Russian Accessions, Library of Congress, April, 1953, Uncl.

VISHNYAKOVA, L.A.; MEYTIM, B.I.; POLESITSKAYA, M.I.

Household outbreak of ornithosis connected with pigeons. *Trudy
Len.inst.epid.i mikrobiol.* 23:267-272 '61. (MIRA 16:3)

1. Iz laboratorii osobo opasnykh infektsiy i rikketsiozov Lenin-
gradskogo instituta epidemiologii i mikrobiologii imeni Pastera,
Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii
i Sanitarno-epidemiologicheskoy stantsii Smol'ninskogo rayona.
(LENINGRAD—ORNITHOSIS) (PIGEONS AS CARRIERS OF DISEASE)

TOKAREVICH, K.N.; MEYTIM, B.I.

New facts about so-called intrahospital typhus fever infections. Trudy Len. inst. epid. i mikrobiol. 25:7-13 '63.
(MIRA 17:1)

1. Iz otdela osobo opasnykh infektsiy Leningradskogo epidemiologii i mikrobiologii instituta imeni Pastera i Leningradskoy gorodskoy sanitarno-epidemiologicheskoy stantsii.

AMBARTSUMYAN, V.A., inzh.; FENELONOV, V.G., inzh.; MEYTN, G.I., inzh.

Use of mercury-type transducers in heat protection systems of
electric motors. Prom. energ. 20 no.6:13-15 Je '65.

(MIRA 18:6)

L 8504-66 EMT(m)/EMP(v)/EMP(j)/T/ETC(m) WW/RM

ACC NR: AP5028477

SOURCE CODE: UR/0286/65/000/020/0063/0063

AUTHORS: Ratner, I. S.; Volovich, Z. M.; Baklanov, G. M.; Kulakovskiy, V. A.;
Gorskiy, B. Z.; Volk, A. I.-Kh.; Andreyev, A. A.; Arkushovskiy, V. N.; Timofeyev, N.
Ya.; Maytin, R. Ya.

ORG: none

TITLE: A device for saturating fibrous reinforcing materials with a binder. Class 39,
No. 175641

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 20, 1965, 63

TOPIC TAGS: bonding material, industrial instrument, mechanical motion instrument

ABSTRACT: This Author Certificate presents a device for saturating fibrous reinforcing materials with a binder. The device contains a mechanism for moving the material over a rigid base and a working percussion instrument. The latter is set into reciprocating motion in a plane normal to the motion of the material. To increase the productivity of the device while improving the saturation quality, the working instrument consists of spring-loaded plates mounted on a common traverse. Elastic supports are fixed to that side of the plates which is toward the material being worked.

SUB CODE: 15/ SUBM DATE: 15Dec62

3 VVY
Card 1/1

WDC: 678.026.2

MEYFIN, Y. A. M.
MEYFIN, Y. A. M.

Plasticheskie massy. 2. perer. 1 dop. izd. Kiev, Gos izd-vo tekhn. lit-ry
Ukrainy, 1949. 300 p., diagra.

Bibliography: p. 300.

Title tr.: Plastics.

PL 56.A2M2 1949

SO: Aeronautical Sciences and Aviation in the Soviet Union, Library of
Congress, 1954.

MYTYN, Ya.M.

[Development of plastic production and manufacture of plastic parts
in the Ukraine] Razvitie proizvodstva plasticheskikh mass i izdelii
iz nikh v Ukrainskoi SSR. Kiev, Ukr. nauchno-issl. in-t mestnoi i
toplivnoi promyshl., 1957. 32 p. (Informatsionnoe pis'mo, no.375)
(Ukraine--Plastics industry) (MIRA 11:4)

KOSHEVOY, O.K.; MEYTN, Ya.M.; BYALER, I.Ya. [deceased]; REZNICHENKO,
V., inzh.; IVANOV, S., inzh.; TUROVSKIY, B., red.; IOAKIMIS, A.,
tekhn.red.

[Plastics in building, architecture, and sculpture] Plasti-
cheskie massy v stroitel'stve, arkhitekture i skul'pture.
Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1959. 195 p.
(Plastics) (MIRA 12:10)

PHASE I BOOK EXPLOITATION

SOV/4870

Arnol'dov, Ye. M., T.T. Honta, V.V. Kalechyts', O.I. Mikhnenko, Ya. M. Meytin,
O.M. Murzin, D.M. Savych, V.D. Tomashchuk, A.M. Shvans'kyi

Khimichna promyslovist' Ukrayiny (Chemical Industry of the Ukraine) [Kyyiv,
Derzh. vyd-vo tekhn. lit-ry URSR] 1960. 128 p. 2,000 copies printed.
(Series: Do dekadny ukrayins'koyi literatury ta mystetstva v Moskvi)

Ed.: A.I. Rukavysnykov; Ed. (Inside Book): L. Raytburd; Tech. Ed.: L. Horkavenko.

PURPOSE: This book is intended for the general reader interested in the development of the chemical industry of the Ukraine.

COVERAGE: The authors discuss the recent development of several important branches of the Ukrainian chemical industry. The text is illustrated with many photographs of equipment and installations. no personalities are mentioned. There are no references.

Card 1/3

MEYTIM, Ya.M., inzh., red.; KIYANICHENKO, N.S., red.; YEREMINA,
I.A., tekhn. red.

[New developments in the production of materials with a base
of wood and synthetic resins] Novoe v proizvodstve materialov
na osnove drevesiny i sinteticheskikh smol. Kiev, Gosstroi-
izdat USSR, 1963. 86 p. (MIRA 16:9)

1. Ukrainskiy nauchno-issledovatel'skiy institut mekhanicheskoy
obrabotki drevesiny.
(Resins, Synthetic) (Furniture)

L 55157-65

EWT(m)/EPA(s)-2/EPF(c)/EFR/EPF(j)/T

Pc-4/Ps-4/Ps-4/Pt-7

WW/TM

ACCESSION NR/ AM5004029

BOOK EXPLOITATION

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678.5

37
38
341

Shevchenko, Vladimir Avtonomovich; Meytin, Yakov Moiseyevich

Laminated plastics (Sloistyie plastiki) Kiev, Izd-vo "Tekhnika", 64/ 0214 p.
illus., biblio. 3,000 copies printed

TOPIC TAGS: laminated material, glass product, reinforced plastic

PURPOSE AND COVERAGE: The book presents data on production technology, methods for processing and use of laminated plastics. Basic attention is given to glass reinforced plastics and plastics used in building construction and electrical engineering, made of reinforced cotton and asbestos cloth and paper. The book describes methods of production and properties of laminated wood plastics of high strength, as well as decorative plastics made of paper and plywood, impregnated with synthetic resin solutions. The book is intended for engineers and technical personnel and designers in various branches of industry and construction, using laminated plastics.

TABLE OF CONTENTS (abridged):

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ACCESSION NR AM5004029

Ch. I. ¹⁵ Glass reinforced plastics -- 7

Ch. II. Laminated plastics made of cloth and paper -- 138

Ch. III. Laminated wood plastics -- 174

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SUBMITTED: 30Jul64

SUB CODE: MT

NO REF SOV: 039

OTHER: 011

Card 2/2

MEYTIN, Ya.M.; BRAGINA, A.S.

Facing materials made from wood fiber and resin adhesives.
Bum. 1 der. prom. no.3:6-10 J1-S '64.

(MIRA 17:11)

SHEVCHENKO, Vladimir Lvovich; MEYTLI, Yakov Moiseyevich

Laminated plastic. Plastiki. Kiev, Tekhnika,
1966. 214 p.
(MIRA 17 10)

89990

S/190/61/003/003/006/014
B101/B204

Meytin, Yu. V.

11.2210

also 2209

AUTHORS:

Zhivukhin, S. M., Tolstoguzov, V. B.,

TITLE:

Phosphonitryl chloride rubber

PERIODICAL:

Vysokomolekulyarnyye soyedineniya, v. 3, no. 3, 1961,
414-419

TEXT: The aging of phosphonitryl chloride (PNC) rubber has already been repeatedly investigated, but, as remarked by N. L. Paddock (Ref. 7: Chem. and Ind., 1960, 91-92), it has not yet been fully cleared. It was there-
fore the purpose of the present work to investigate the aging and the
stabilization of PNC rubber. First, the trimer $(PNC_2)_3$ was synthesized
from PCl_3 and NH_4Cl purified by recrystallization and distillation, after
which it was polymerized for 6 hr at $320^\circ C$. Experiments confirm the fact
that HCl is liberated during aging, corresponding to an equation (reac-
tion with the water of moist air with formation of P-O-P cross links)
suggested by H. Specker (Ref. 6: Angew. Chem. 65, 299-303, 1953). The
infrared spectroscopic analysis of the films of fresh and aged rubber

Phosphonitryl chloride rubber

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B101/B204

applied to KBr by means of a UR-10 spectrograph confirms; 1) The occurrence of a band corresponding to the P-O-P bond during aging. 2) The decrease of the intensity of the P=N band and occurrence of NH bands as a result of destruction. Furthermore, a displacement of the P=N bands with increasing molecular weight from 1340 cm^{-1} (molecular weight 2.10^3) to 1360 cm^{-1} (molecular weight 1.10^6) was observed. Pycnometrically, an increase in specific weight (from 1.77 to 2.02) was found, which takes place within 8 days. By X-ray analysis, this effect could be explained as crystallization. Conforming with the data of the increase in specific weight, a duration of the crystallization of 170 hr was found. The melting point of the crystals was between $30 - 40^\circ \text{C}$. By weighing, the effect produced by aging upon weight was investigated. With 100% moisture, the increase in weight was 1.4% after 200 hr, and 7.9% after 300 hr. This change in weight, however, depended on the ratio between the cross section of the specimen and its surface. The authors found: $y = (P - P_\tau)/P$
 $= -0.111F - 0.794\delta + 1.22$ (4). Here, P is the initial weight, P_τ after τ hr, F the area of the cross section, cm^2 , δ the thickness in mm. From this equation it follows that aging is a diffusion process proceeding from Card 2/4

89990

Phosphonitryl chloride rubber

S/190/61/003/003/006/014
B101/B204

the surface. 40 stabilizers were examined and the degree of stabilization K was determined: $K = y_p / (y_p - y_{stab})$, where y_p is the loss in weight of pure rubber according to Eq. (4), and y_{stab} is the loss in weight of stabilized rubber. Table 2 shows the results obtained by means of some stabilizers. There are 5 figures, 2 tables, and 11 references: 1 Soviet-bloc and 10 non-Soviet-bloc. The 1 reference to English-language publication is given in the text of the abstract.

ASSOCIATION: Khimiko-tekhnologicheskii institut im. D. I. Mendeleyeva
(Chemotechnical Institute imeni D. I. Mendeleyev)

SUBMITTED: July 7, 1960

Card 3/4

Phosphonitryl chloride rubber

89990

S/190/61/003/003/006/014
B101/B204

Наименование стабилиза- тора или наполнителя (1)	Количество стабилиза- тора, % (2)	K	Наименование стабилиза- тора или наполнителя (1)	Количество стабилиза- тора, % (2)	K
③ Силиконовый клучук	4,1	0,98	Полимооченипа ⑦	6,8	0,89
④ Стеарат бария	3,7	0,93	Sb ₂ O ₃	5,0	0,90
⑤ Стеарат олова	3,9	0,90	Cr ₂ O ₃	43,0	0,89
⑥ Ортоборная кислота	7,0	0,90	CuO	40,0	0,81
⑦ Стеарат кадмия	2,8	0,89	PbO ₂	30,0	0,72
⑧ Поливиниловый спирт	8,0	0,89	Sb ₂ O ₃	43,0	0,76

Legend to Table 2: 1) Stabilizer or filler. 2) Quantity of stabilizer.
3) Silicon rubber. 4) Barium stearate. 5) Tin stearate. 6) Ortho-boric
acid. 7) Cadmium stearate. 8) Polyvinyl alcohol. 9) Polyurea.

Card 4/4

L 21755-65 EWP(c)/EPA(s)-2/EWT(m)/EPF(c)/EPR/EWP(j)/T/EWP(b) Pc-4/Pq-4/
Pr-4/Ps-4, APGC(a)/ESD(ga)/ESD(t) WW/RM/WH

ACCESSION NR: AP5000755

S/0191/64/000/012/0048/0053

AUTHOR: Meytin, Yu. V.

TITLE: Methods for determining the hydrophobic properties of glass fabrics

SOURCE: Plasticheskiye massy*, no. 12, 1964, 48-53

TOPIC TAGS: glass cloth, hydrophobicity, glass fiber, finishing agent, wetting test

Abstract: The article describes methods for determining the hydrophobic properties of glass fabrics. The study involves measuring the volume of water absorbed by the fabric after immersion in distilled water at a controlled temperature of 25.5°C. The usual immersion time is 3 hrs, but as little as 10 minutes may be required for hydrophilic glass fiber. The amount of water, usually 500 ml, should be reduced or increased with fibers of low or high air content, respectively, and an equation is derived for calculating the volume of water from the initial rates of air desorption. The study proved that hydrophobic properties are produced by the finishing agents vinyltri (ethoxyethoxy) silane (GVS-9), vinyltriethoxysilane (VTES) and by an emulsion of ethylhydrosiloxane (GKZh-94) recommended as fillers of polyesters; hydrophilic surfaces are produced, however, by finishing

Card 1/2

L 21755-65

ACCESSION NR: AP5000755

agents used on fillers for polyester, phenolic, and epoxy resins, including γ -aminopropyl-¹⁵triethoxysilane (Rhodorsil 3100 W), aminosilane (AGM-3, ¹⁵SADE-3, ¹⁵ADEP-2) and by a chromium complex of methacrylic acid (Bolan-702 with ammonia). Preliminary comparative tests and their statistical evaluation demonstrated the higher accuracy and reliability of the method as compared with penetrometer tests and conventional wetting tests. "The author thanks Z.I. Bronshteyn and Sh. K. Ashratov for consultation and advice." Orig. art. has: 7 figures, 2 tables and 3 formulas. 8

ASSOCIATION: None

SUBMITTED: 00

ENCL: 00

SUB CODE: MT

NO REF SOV: 012

OTHER: 003

Card 2/2

L 2026-66

ENP(a)/EPA(a)-2/ENT(m)/EPF(c)/ENP(1)/ENP(j)/T/ENP(b) WW/RM/WH

ACCESSION NR: AP5024513

UR/0191/65/000/010/0059/0063

678.06-419:677.521:677.86

AUTHOR: Bronshteyn, Z. I.; Meytin, Yu. V.; Smel'nitskiy, F. S.; Voronova, A. M.; Murav'yev, V. A.

TITLE: Glass textolite ST based on sized glass cloth

SOURCE: Plasticheskiye massy, no. 10, 1965, 59-63

TOPIC TAGS: glass textolite, glass cloth, fiberglass, electric property, dielectric permeability, electric resistance, phenolformaldehyde, specialized coating, organometallic compound, silane, heat property

ABSTRACT: The moisture resistance and electrical properties of glass textolite ST based on phenol-formaldehyde resin IF and made of glass cloth treated with different sizings were studied to help in selection of materials with optimum properties. The electrical and physical-mechanical properties of the textolite based on sized glass cloth are much better than those of standard glass textolite; the electrical properties compare with those of glass textolite ST containing polyphenylsiloxane. Glass cloth E and SE was sized with the following materials:

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L 2026-66

ACCESSION NR: AP5024513

gamma-aminopropyltriethoxysilane AGM-9, a chromium complex of methacrylic acid--Volan 702, ethylhydroxysiloxane liquid GKZh94, polymethylsilazane GKZh16, polydimethylsilazane L-24k, aminosilanes ADE-3 and ADER-2, vinyl-triethoxysilane VTES, and a phenylethoxysilane hydrolysis product--resin F-9. The first four sizings imparted good electrical properties after prolonged soaking in water or in 95% humidity at 20 C. The effectiveness of GKZh94 and GKZh16 was reduced with increased temperature. Procedures were worked out for the thermo-chemical treatment of glass cloth with Volan 702 or with AGM-9 to insure obtaining textolite with high electrical properties under high humidity conditions. Orig. art. has: 8 tables and 4 figures

ASSOCIATION: None

SUBMITTED: 00

NR REF SOV: 009

ENCL: 00

OTHER: 004

SUB CODE: MT

Card 2/2

MEYTINA, CH. M.

Conference on using natural therapeutic resources in the Ukraine.
Vіsnyk AN URSR 29 no. 5:73-76 My '58. (MIRA 11:7)
(Ukraine--Mineral waters)
(Ukraine--Earth, Medical and surgical uses of)

MEYFINA, Ch. M.

Coordination council for problems in the over-all use of the fuel
and power resources of the Ukrainian S.S.R. Dop. AN USSR no. 7:993-
995 '60.

(MIRA 13:8)

(Ukraine--Power resources)

MEYTINA, Ch.M.

Congress on problems in the over-all utilization of coke gas. Dop.
AN URSR no.9:1302-1304 '60. (MIRA 13:10)
(Coke-oven gas)

15-57-3-4004
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 3,
p 211 (USSR)

AUTHOR: Meytina, M. M.

TITLE: ~~Acidifying of Wells in the Petroleum Organization of~~
Stalinneft' (Kislotnyye obrabotki skvazhin v neftepromy-
slovom upravlenii Stalinneft')

PERIODICAL: Novosti neft. tekhniki. Neftepromysl. delo, 1956, Nr 5,
pp 18-20

ABSTRACT: Examining the effectiveness of acidization in the well-
bottom zone of oil wells, in order to increase yield,
the author cites numerous examples in support of the
advantage of this method. At the same time, he re-exa-
mines a number of factors which have a negative influ-
ence on the effectiveness of acidization. A brief
description is given of experiments to treat the well-
bottom zone with hydrochloric acid, to which acetic and
hydrofluoric acid have been added. The author describes

Card 1/2

15-57-3-4004

Acidifying of Wells in the Petroleum (Cont.)

the sequence of operations in acidizing wells and expresses the opinion that it is necessary to improve the techniques of this treatment.

Card 2/2

I. A. K.

MEYTINA, R. A.

"Chemistry and Mechanics of the Muscle Studied on Myosine Threads," Dok. AN, 30, No. 7, 1941. Inst. Biochemistry Acad. Sci., -1941-.

Inst. Biochem. in Leningrad

MEYTINA, R.A.

3817. Changes in the saturation of arterial blood with oxygen in patients at the time of operations on the heart and large blood vessels. R. A. Meytina, *Khirurgiya*, 1955, No. 8, 33-37; *Referat. Zh. Biol.* 1956, Abstr. No. 73813. - With the help of the catheter oximeter the O_2 satn. of the blood in 33 patients was investigated at the time of the operation. When the operation is proceeding favourably the satn. shows an initial lowering at the time of intubation and a second lowering at the time of separation and clamping of the large vessels. After making the anastomoses and removal of the clamps the O_2 satn. of blood rises above its initial level. A steady fall in satn. is a signal for taking urgent measures to prevent inhibitory insufficiency. (Russian) D. H. SMYTH

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Medical Inst. in I. V. Stalin*

METTINA, R.A.

Cathode oxythemometer in cardiac surgery. Biulleksp. biol. i
med. 40 no.10:26-28 Oct. '55. (MLRA 9:1)

1. Iz laboratorii AMN SSSR pri fakul'tetskoy khirurgicheskoy
klinike imeni S.I.Spasokukotskogo (dir.-deystvitel'nyy chlen
AMN SSSR prof. A.N.Bakulev) II Moskovskogo meditsinskogo
instituta imeni I.V.Stalina.

((HEART, surgery,
blood oxygen in, determ. with cathode appan)
(BLOOD,
oxygen, in heart & surg.,determ. with cathode appar.)
(OXYGEN, in blood,
in heart surg.,determ. with cathode appar.)

~~MYTINA~~, R.A., kandidat biologicheskikh nauk (Moskva, ul. Krapotkina, d.26
kv.37); ~~SHERDUKALOVA~~, L.F.

Importance of studies on gas exchange and blood gases in
mitralstenosis. Vest.khir. 78 no.1:17-26 Ja '57. (MIRA 10:3)

1. Is laboratorii Fiziologii dykhaniya i krovoobrashcheniya
Instituta grudnoy khirurgii AMN SSSR (dir. - prof. A.N.Bakulev)
(MITRAL STENOSIS, blood in
gas level & exchange)

KOLESHNIKOVA, R.S., kand.med.nauk; MEYTTINA, R.A., kand.biol.nauk

Studies of external respiration and of blood gases in patients
with chronic pulmonary suppuration. Nov.khir.arkh. no.1:66-
73 Ja-F '59. (MIRA 12:6)

1. Kafedra fakul'tetskoy khirurgii II (zav. - prof.A.N.Bakulev)
2-go Moskovskogo meditsinskogo instituta i Instituta grudnoy
khirurgii AMN SSSR.
(BLOOD, GASES IN) (RESPIRATION) (LUNGS--ABSCESS)

MEYTINA, R.A. (Moskva, ul. Kropotkina, d. 26, kv. 3); SHERDUKALOVA, L.F.

Importance of carbonometry in heart operations. Grud. khir. 3
no. 1:56-66 Ja-F '61. (MIRA 16:5)

1. Iz laboratorii po gazoobmenu (sav. - kand. biolog. nauk R.A. Meyti-
na) (Instituta grudnoy khirurgii (dir. - prof. S.A. Kolesnikov,
nauchnyy rukovoditel' - akademik A.N. Bakulev) AMN SSSR.
(HEART—SURGERY) (CARBON DIOXIDE)

KOLESHIKOV, S.A., prof.; BURAKOVSKIY, V.I.; GEL'SHTEYN, G.G.; MEYTINA, R.A.; BUKHARIN, V.A.; KLAMMER, M.Ye.

Deep hypothermia in heart surgery. Khirurgiia no.9:10-18 '62.
(MIRA 15:10)

1. Iz Instituta serdechno-sosudistoy khirurgii (dir. prof. S.A.Kolesnikov, nauchnyy rukovoditel' - akdad. A.N.Bakulev) AMN SSSR.

(HYPOTHERMIA) (HEART—SURGERY)

MEYTINA, R.A. (Moskva, G-34, ul. Kropotkina, d. 26, kv. 3); PIROGOV, A.I.;
SHAPOVALOVA, V.Ya.

Importance of studying gas metabolism in patients with pulmonary carcinoma. Grud.khir.2 no.2:80-86 Mr-Ap'60. (MIRA 16:7)

1. Iz legochnogo otdeleniya (zav.-doctor med.nauk Ye.S.Lushnikov)
i laboratorii gazoobmena Instituta grudnoy khirurgii AMN SSSR
(dir.-prof. A.A.Buzalov, nauchnyy rukovoditel'-akademik A.N.
Bakulev).

(BLOOD, CASES IN) (LUNGS,,CANCER)

MEYTINA, R.A.; MIRONOVA, Ye.I.; NISNEVICH, E.D.; SHAPOVALOVA, V.Ya.;
SHERDUKALOVA, L.F.

New methodology for the determination of acid-base equilibrium
of the organism and its use in open-heart surgery. Eksp. khir. i anest. 7 no.5:29-36 S-O '62. (MIRA 17:10)

1. Iz laboratorii funktsional'noy diagnostiki (zav. G.G. Gel'shteyn) Instituta serdechno-sosudistoy khirurgii (dir.- prof. S.A. Kolesnikov, nauchnyy rukovoditel'- akademik A.N. Bakulev) AMN SSSR.

BURAKOVSKIY, V.I.; BUKHARIN, V.A.; GEL'SHTEYN, G.G.; KNYAZEVA, G.D.;
LEBEDEVA, G.K.; MEYTINA, R.A.; SHALYKOVA, O.P.

Cardioplegia in surgery with artificial blood circulation.
Grud. khir. 5 no.2:26-35 Mr-Apr'63 (MIRA 7 2)

1. Iz Instituta serdechno-sosudistoy khirurgii (direktor -
prof. S.A. Kolesnikov, nauchnyy rukovoditel' - akademik A.N.
Bakulev) AMN SSSR. Adres avtorov: Moskva V-49, Leninskiy
prosp. , d.8, Institut serdechno-sosudistoy khirurgii AMN SSSR.

GEL'SHTEYN, G.G.; MEYTING, R.A.

Tasks of functional diagnosis in cardiac surgery. In: By Inst.
klin. i eksper. kard. AN Gruz. SSR, 1965. MKA 1965

1. Laboratoriya funktsional'noy diagnostiki. Institut kardiologii
i khirurgii. M. Moskva.